

**Statement of Work
For**

**INSTRUMENTABLE MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM
VEHICLE TACTICAL ENGAGEMENT SIMULATION SYSTEM
(I-MILES VTESS)**



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**Statement of Work
For
Instrumentable Multiple Integrated Laser Engagement System
Vehicle Tactical Engagement Simulation System
(I-MILES VTESS)**

1.0 Scope

This Statement of Work (SOW) defines the efforts for the production of the Instrumentable Multiple Integrated Laser Engagement System (I-MILES) Vehicle Tactical Engagement Simulation System (VTESS) Indefinite Delivery/ Indefinite Quantity (ID/IQ) contract. The requirements for this document are derived from MILES 2000 Operational Requirements Document (ORD) for Replacement of Ground Direct Fire Tactical Engagement Systems (TES) Devices, Cards Number 0291, and revised July 1996. The VTESS IDIQ contract will be utilized by Department of Defense organizations that desire to procure MILES VTESS devices.

This SOW defines the general tasks that Project Manager Training Devices (PM TRADE) desires to have performed under the VTESS IDIQ contract in support of a componentized training system. Individual delivery orders will delineate the detailed requirements in each respective Delivery Order (DO) SOW. PM TRADE envisions the evolution of VTESS in the following ways:

- Architecture Evolution
- Software Integration
- Hardware Integration
- Instrumentation System Integration
- Live Training Engagement Composition (LTEC) Evolution
- Production
- Testing / Automated Testing
- Fielding
- New Equipment Training
- Initial Contractor Support (ICS)

1.1 Background

The U.S. Army Program Executive Office for Simulation, Training and Instrumentation (PEO STRI), PM TRADE, Product Manager Live Training Systems (PM LTS) has an immediate need to evolve and procure the I-MILES product line. I-MILES VTESS is a product within the I-MILES product-line and is also one system within in a larger Live Training System of Systems (SoS). The VTESS acquisition will complete the Basis of Issue (BOI) and potentially replace older legacy systems. The VTESS will provide a more realistic training capability, reduce life cycle costs, and integrate emerging

commercial-off-the-shelf (COTS) or modified COTS technologies.

2.0 Applicable Documents

The following documents form a part of this SOW to the extent specified herein:

2.1 Department of Defense Specifications

2.2 Availability of Department of Defense Specifications

Copies are available on the WWW at URL: <http://www.assistdocs.com/search/>

2.3 Department of Defense Standards

The following specifications, standards, and handbooks form a part of this document to the extent specified herein.

MIL-STD-882E System Safety

2.4 Availability of Department of Defense Standards

Copies are available on the WWW at URL: <http://www.assistdocs.com/search/>

2.5 Department of Defense Directives

DoDM 5200.1 Information Security Program

DoDD 8570.01 Information Assurance (IA) Training, Certification, and
Workforce Management

DoD 8570.01-M Information Assurance Workforce Improvement program

2.6 Availability of Department of Defense Directives

Copies are available on the WWW at URL: <http://www.dtic.mil/whs/directives/>

2.7 Department of Defense Instructions

2.8 Availability of Department of Instructions

Copies are available on the WWW at URL: <http://www.dtic.mil/whs/directives/>

2.9 Other Government Documents, Drawings, and Publications

AR 5-12 Army Use of the Electromagnetic Spectrum, 15 February
2013

AR 25-2 Information Assurance

AR 525-13 Antiterrorism

AR 530-1 Operations Security

Copies are available on the WWW at URL: <http://www.apd.army.mil>

2.10 Availability of Other Government Documents and Publications

Copies of the above documents are available at PEO STRI, ATTN: SFAE-STRI-TRADE-LT, 12350 Research Parkway, Orlando, FL 32826-3276

2.11 Non-Government Standards and Other Publications

ANSI/EIA-748 Earned Value Managment

2.12 Availability of Non-Government Standards and Other Publications

Copies are available on the WWW at URL: <http://www.eia.org>

3.0 Requirements

The requirements defined herein shall form the basis for all work that shall be performed as part of DOs the Government will issue under the VTESS IDIQ contract for the integration, prototype production ,testing, fielding, sustainment and product line management of the VTESS system and it's Live Training Transformation (LT2) Core Assets and Products.

3.1 Management, Organization and Processes

In support of the VTESS, the contractor shall perform the programmatic activities, which provide for an optimized Product Line (P/L) organizational structure. The contractor's approach shall ensure efficient processes for the management and oversight of the VTESS technical activities including resources utilized across all VTESS delivery orders. The following table provides a representative list of tasks and activities that could be required by specific delivery orders.

Technical Planning	Interface Management
Requirements Management	Configuration Management
Risk Management	Technical Assessment
Technical Data Management	Customer Interface Management
Decision Analysis	Organizational Planning
Technology Forecasting	Metrics, Measurement and Tracking
Resource Planning and Management	Facilities Management
Integrated Product Team Management	Technical Reviews
Business Strategy	Concept of Operations
Reuse Analysis	Data Repository
Training	Life Cycle Support

3.1.1 LT2 Core Asset Evolution

The contractor shall perform the necessary tasks and activities to continue the development, evolution, and sustainment of the VTESS LT2 Core Assets. The Government will address the specific requirements in each delivery order. The following table provides a representative list of tasks and activities that could be required by specific delivery orders with respect to VTESS Core Asset Development & Evolution:

Architecture development	Architecture evaluation
Architecture validation	Domain Analysis
Decision Analysis	Variation Management
Re-Use Analysis	Service/Component Development
Requirement Engineering	Test & Verification
P/L Developer Training	Version Control
Technology Insertion	Obsolescence Management and Planning
Configuration Management	Standards Development and Sustainment
Performance Verification & Validation	Quality Assurance

3.1.2 Product Integration, Fielding and Sustainment

The contractor shall perform the necessary tasks and activities for product development integration, prototype production, testing, fielding and sustainment. The Government will address the specific requirements in each delivery order. The following table provides a representative list of tasks and activities that could be required by specific delivery orders with respect to Integration, Fielding and Sustainment:

Concept Development	Functional Analysis
Requirements Analysis	System Engineering
Software Engineering	System Design
Prototyping	Software Integration
System Integration	Testing & Test Engineering
Fielding	Training
Verification Testing	Validation Testing
Post-Deployment Software Support (PDSS)	Post-Production Software Support (PPSS)
System Demonstration	Risk Management Framework Testing and Certification
Configuration Management	Security Engineering
Trade Studies	Quality Engineering
Production	Training Product Verification & Validation

3.2 Program Management

The contractor shall establish and maintain an integrated program management system, which shall plan, direct, integrate and control the administrative, management, technical, logistical, financial, production and support functions of each specific order.

The contractor shall maintain procedures to respond to requirements of Request for Proposals (RFPs) and delivery order modifications. The contractor shall manage work efforts to optimize total product performance, ensure interoperability and common solutions, and minimize total ownership cost.

3.2.1 Integrated Product and Process Development (IPPD)

As specified by individual delivery orders, the contractor shall establish and maintain a process for IPPD and participate in joint Government/contractor Integrated Product Teams (IPT) in a Performance-Based Business Environment to manage and integrate all tasks, activities and data. The contractor shall facilitate Government insight into contract activities and establish working relationships with Government personnel that will enable continuing insight into all contract activities. The contractor shall provide real-time, reliable and user-friendly electronic remote access to all data produced under the contract to enable review of contract status and demonstrate readiness to complete significant events. The contractor shall make available to the Government all technical, cost and schedule data for each specific order of the order IPT. The contractor shall maintain processes that facilitate completion of delivery order.

3.2.2 Integrated Master Plan (IMP) and Integrated Master Schedule (IMS)

As specified by individual delivery orders, the contractor shall develop an IMP and an IMS. The contractor shall manage to and maintain the IMP and IMS it has developed for each specific order, including appropriate program milestones with corresponding entrance and exit criteria. The IMP and IMS shall include a detailed account of all tasks necessary to accomplish the goals and objectives of each specific delivery order. The contractor shall develop and maintain an Integrated Master Schedule (IMS) by logically networking detailed program activities including synchronization of all active delivery orders. The schedule shall contain the planned events and milestones, accomplishments, exit criteria, and activities from contract award to the completion of the contract. The contractor shall quantify risk in hours, days, or weeks of delay and provide the most likely duration for each IMS activity and event.

3.2.3 Earned Value Management (EVM) System

The contractor shall use EVM System as each specific delivery order defines.

3.2.3.1 Contractor Integrated Performance Management

As specified by individual delivery orders, the contractor shall establish, maintain, and use in the performance of each delivery order, an integrated performance management system. Central to this integrated system shall be a validated Earned Value Management System (EVMS) in accordance with Defense Federal Acquisition Regulation Supplement (DFARS) 252.234-7001, DFARS 252.234-7002, and the EVMS guidelines contained in [ANSI/EIA-748](#). To establish the integrated performance management system, the EVMS shall be linked to and supported by the contractor's management processes and systems to include the IMS, contract work breakdown

structure, change management, material management, procurement, cost estimating, and accounting. The correlation and integration of these systems and processes shall provide for early indication of cost and schedule problems, and their relation to technical achievement.

3.2.3.2 Integrated Baseline Review

The Contractor shall participate with the Government in the assessment of program risk and the degree to which the following have been established:

- a. Technical scope of work is fully included and is consistent with authorizing documents.
- b. Project schedule key milestones are identified and supporting schedules reflect a logical flow to accomplish the work.
- c. Resources (budget, facilities, personnel, skills, etc.) are available and are adequate for the assigned tasks.
- d. Tasks are planned and can be measured objectively relative to the technical progress.
- e. Rationales underlying the review are reasonable.
- f. Management processes support successful execution of the project.

3.2.4 Configuration Management

As specified by individual delivery orders, the Contractor shall use an automated internal configuration management process to monitor, update, and control all configuration documentation, physical media, and physical parts representing or comprising the system configuration items (CIs). The Contractor shall plan and implement an automated configuration management function to perform configuration control, configuration identification, audits, and status accounting in a system engineering environment. The Contractor shall develop, maintain, and update configuration management procedures and processes for control of all hardware and software baselines. The process shall allow Government simultaneous access to the common product data model coupled with the ability to coordinate and update immediate changes to the product definition data. The configuration management process must handle all levels of product and process integration to build and support the product as well as manage the sequence of significant events. The Government will maintain control of the functional baseline (FBL) defined by the system performance specification, interface control documents, and software requirement specifications.

3.2.4.1 Engineering Change Proposals (ECP)

As specified by individual delivery orders, the Contractor shall document and the IPT shall review all changes to established baselines and all changes to the requirements (other than the functional baseline), including changes to the statement of work, contract data requirements list (CDRL), the contract schedule, and the general

provisions of the contract.

3.2.4.2 Variances

As specified by individual delivery orders, the Contractor shall document the rationale and the potential impact of any variance. The Contractor shall obtain approval before varying from any Government-controlled baseline.

3.2.5 Risk Management

As specified by individual delivery orders, the contractor shall implement an integrated risk management system with risk planning, identification, assessment, mitigation, and monitoring functions to improve technical, cost and schedule performance for each specific delivery order.

3.2.6 Associate Contractor Agreements (ACAs)

As specified by individual delivery orders, the contractor shall implement Associate Contractor Agreements (ACAs) for exchanging data, accessing and using third party software and equipment, receiving technical support, working interface issues, transitioning to sustainment and agreeing on equipment use and time. ACAs shall be maintained to achieve interoperability and common component goals, as applicable.

3.2.7 Meetings and Program Reviews

As specified by individual delivery orders, the Contractor shall attend and conduct meetings, reviews and working groups. The Contractor shall document action items, coordinate resolutions, and track action items until closure.

3.2.8 Subcontractor Management

As specified by individual delivery orders, the contractor shall maintain the capability to manage subcontractors in accordance with the delivery orders' Subcontractor Management Plan. The contractor shall integrate subcontractors into program IPTs. Additionally, subcontractors shall be included in program management and tracking systems such as management information systems, EVM system, etc. The contractor shall ensure the requirements of this contract and subsequent delivery orders are applied to all subcontracts and associate contracts.

3.2.9 Cost as an Independent Variable (CAIV)

As specified by individual delivery orders, the contractor shall participate on joint Government-contractor Cost Performance IPTs to discuss tradeoff options for implementing CAIV concepts and guidance.

3.3 Systems Engineering

The contractor shall provide the requisite technical and programmatic support to

complete the required tasks of the individual delivery orders associated with the VTESS engineering and management. These tasks shall encompass the efforts associated with the development, dissemination, engineering, management, and maintenance of the VTESS architecture, components, and documentation. These tasks shall also include the works efforts associated with the engineering, management, and tracking of VTESS fielded Products and core assets.

3.3.1.1 Software Engineering

As specified by each delivery order, the contractor shall provide the requisite technical and programmatic support to complete the required tasks of the individual delivery orders associated with the VTESS engineering and management. These tasks shall encompass the efforts associated with the development, dissemination, engineering, management, and maintenance of the VTESS architecture, components, and documentation. These tasks shall also include the works efforts associated with the engineering, management, and tracking of VTESS fielded Products and core assets.

3.3.2 Hardware Engineering

As specified by each delivery order, the contractor shall integrate and assemble the system hardware that satisfies the performance and Risk Management Framework requirements stated in the delivery order. The contractor shall conduct market surveillance and market investigations in order to maximize the use of commercial and non-developmental items. The contractor shall apply the systems engineering process during each level of system development (system, subsystem, and component) to add value (additional detail) to the products defined in the prior application of the process. Through each of the following design stages, information generated shall be documented in an integrated database

3.3.3 Test Engineering

As specified by each delivery order, the contractor shall develop, implement, and maintain a system testability process satisfying all testability requirements, which is traceable throughout the design process, is integrated with other system engineering requirements, and is disseminated to design personnel and subcontractors. The contractor shall establish controls for ensuring that each subcontractor's testability practices are consistent with overall system requirements. The contractor shall define the means for verifying and validating that the diagnostic capability meets specified requirements, using maintainability demonstrations, test program verification, and other demonstration methods. The contractor shall ensure that as test and evaluation of the system progresses, problems presented by new failure modes, test voids, ambiguities, and test tolerance difficulties are recognized and defined, solutions are traceable to diagnostic hardware and software, and technical publication procedures are updated. The contractor shall define an approach for the analysis of acceptance test and evaluation results to determine how built in test hardware and software, automatic test equipment hardware and software, and maintenance documentation performed as a means for satisfying production testing, and meeting testability requirements. The

contractor shall establish a testability program that accomplishes the following:

- a. Establishment of sufficient, achievable, and affordable diagnostic concept and state-of-the-art testability built-in and off-line test performance requirements.
- b. Integration of testability into equipment and systems during the design process in coordination with the maintainability design process.
- c. Evaluation of the extent to which the design meets testability requirements.
- d. Inclusion of testability in the program review process.

3.3.4 Hardware and Software Integration.

As specified by each delivery order, the Contractor shall perform all activities to integrate and assemble the hardware and software to achieve a fully functional and creditable system, with all support systems, that performs and operates in accordance with the system specification and Contractor generated specifications. The Contractor shall verify the complete integration of the hardware and software of each hardware and software subsystem and the overall system through the utilization of formalized test procedures.

3.3.5 Technology Insertion

As specified by each delivery order, VTESS shall provide a path-ahead for migration to and incorporation of future FOF/FOT technological advancements. This includes the establishment of a VTESS baseline configuration that is adaptable and can be extended to incorporate future technologies. The result is better, more realistic FOF/FOT training capability; reduced life-cycle (LC) support costs; and more realistic simulation for Army tactical vehicles that do not have an embedded fire control system. The contractor shall work with the Government to investigate new technology insertion plans through system analysis and trade studies. The cost of production implementation is over and above the firm fixed price of the contract. Possible candidate new technologies to be considered in the future include the following:

- a. Improving laser transmission through environments obscurants
- b. Improving supportability, increase mean time between essential function failure
- c. Reducing the size and weight of the devices
- d. Lighter weight sensor and detector with improved detection fidelity
- e. Reducing number and complexity of physical connections (cables and connectors)
- f. Improving the ability to quickly and easily introduce system upgrades
- g. Minimizing test measurement and diagnostics equipment

- h. System component modularity
- i. Pan Position System
- j. MANET System
- k. GPS Position Logger
- l. Direction and Position encoding on Laser Link
- m. Incorporation of Fast Code
- n. 1.55 μm Laser/Detector
- o. Optical Communications Link
- p. Passive helmet
- q. Geometric pairing link
- r. Seamless video/I-MILES play
- s. New laser diode
- t. Future Army fire control systems, vehicle types, weapon systems
- u. Weapon effect's on vehicle crew within and outside the vehicle
- v. Incorporation of total rounds fired data field, updated with every shot
- w. Other technologies agreed upon via the I-MILES Integrated Project Team (IPT)
- x. VICTORY bus integration
- y. Encoding Azimuth, Deflection and Shooter Position into the MCC while maintaining backwards compatibility

3.3.6 System Safety Program

As specified by individual delivery orders, the contractor shall maintain a safety process to identify, evaluate, and eliminate or control hazards throughout the VTESS IDIQ contract. The contractor shall ensure all CPM software services and products are designed to minimize safety risks to operators and maintainers in accordance with [MIL-STD-882](#).

3.4 Specialty Engineering

3.4.1 Reliability Engineering

As specified by individual delivery orders, the contractor shall perform reliability engineering to meet the availability and specific Reliability requirements of each specific delivery order.

3.4.2 Maintainability Engineering

As specified by individual delivery orders, the contractor shall perform a maintainability

engineering to meet the availability and specific Maintainability requirements of each specific delivery order.

3.4.3 Safety Engineering

As specified by individual delivery orders, the contractor shall perform Safety Engineering to meet the availability and specific safety requirements of each specific delivery order.

3.4.4 Producibility Engineering

As specified by individual delivery orders, the contractor shall perform producibility engineering to meet the requirements of each specific delivery order.

3.4.5 Quality Engineering

As specified by individual delivery orders, the contractor shall perform quality engineering to meet the requirements of each specific delivery order.

3.4.6 Supportability Engineering

As specified by individual delivery orders, the contractor shall perform supportability tradeoffs during the systems engineering process by considering the effect design decisions have on life-cycle cost, reliability, maintainability, and availability rates as specified by each specific delivery order.

3.4.7 Manpower and Personnel Integration (MANPRINT)

The contractor shall establish and maintain a formal Manpower and Personnel Integration (MANPRINT) engineering program as each specific delivery order requires.

3.4.8 Value Engineering

The contractor shall implement and use a value engineering program employing the value methodology. The contractor shall conduct multi-disciplined Joint Government value engineering methodology workshops in order to identify and implement areas for program/process improvement. Each delivery order will address specific requirements.

3.5 Cybersecurity

The Contractor shall develop and maintain a Cybersecurity process to guide management and modification actions, document decisions, specify and track Cybersecurity requirements, document certification efforts, identify possible solutions, and maintain operational systems security. The Contractor shall establish or adopt standards for managing Cybersecurity requirements and capabilities and a Cybersecurity engineering approach that emphasizes purposeful modification or configuration of security solutions. Contractor shall configure, integrate, and implement all architectures, plans, policies, and security controls IAW the Department of Defense

Risk Management Framework process.

3.5.1 Anti-Terrorism Level 1 Training

All contractor employees, to include subcontractor employees, requiring access Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 60 calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The contractor shall submit certificates of completion for each affected contractor employee and subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 30 calendar days after completion of training by all employees and subcontractor personnel. AT level I awareness training is available at the following website: <https://atlevel1.dtic.mil/at>.”

All US based contractor employees and associated sub-contractor employees shall receive Government provided area of responsibility (AOR) specific AT awareness training as directed by [AR 525-13](#).

3.5.2 iWATCH Training

The contractor and all associated sub-contractors shall brief all employees of the types of behavior to watch (training standards provided by the requiring activity ATO). This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. Training shall be completed within 60 calendar days of contract award and with 60 calendar days for new employees commencing performance with the results reported to the COR NLT 120 calendar days after contract award.

3.5.3 Protection Policy & Procedures

The contractor and all associated sub-contractors employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changed clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in the contractor security matters or processes.

3.5.4 Access to Government Information Systems

All contractor employees with access to a government information system shall be registered in the Army Training Certification Tracking System (ATCTS) at commencement of services, and must successfully complete the DOD Information

Assurance Awareness training prior to assess to the Information System and then annually thereafter.

3.5.5 OPSEC Plan

The contractor shall develop an OPSEC Standing Operating Procedure (SOP)/Plan within 90 calendar days of contract award, to be reviewed and approved by the responsible Government OPSEC officer, per [AR 530-1](#), Operations Security. This SOP/Plan will include the government's critical information, why it needs to be protected, where it is located, who is responsible for it, and how to protect it. In addition, the contractor shall identify an individual who will be an OPSEC Coordinator. The contractor will ensure this individual becomes OPSEC Level II certified per [AR 530-1](#).

(DI-MGMT-80934C) Operations Security (OPSEC) Plan

3.5.6 OPSEC Training

Per [AR 530-1](#), Operations Security, All contractor employees must complete annual Level I OPSEC awareness training. New contractor employees must complete Level I OPSEC training within 30 calendar days of their reporting for duty.

3.5.7 Information Assurance / Information Technology Training

All contractor employees and associated sub-contractor employees must complete the DOD Information Assurance Awareness Training before issuance of network access and annually thereafter. All contractor employees working IA/IT functions must comply with DOD and Army training requirements in [DODD 8570.01](#), [DOD 8570.01-M](#) and [AR 25-2](#) within 6 months of employment.

3.5.8 Spectrum Management

As specified by each delivery order, the Contractor shall ensure compliance with the policies and procedures for the Army Frequency Allocation to Equipment (Army J/F-12) Program as described in [AR 5-12](#), Chapter 4 for any system that operates in an electromagnetic spectrum.

3.6 Logistics

The Contractor shall conduct engineering analyses to establish quantitative and qualitative supportability design guidelines. The Contractor shall conduct trade studies, evaluate design and support alternatives, and establish system supportability preliminary design configurations consistent with system readiness and availability and life cycle cost goals. The contractor shall perform the necessary tasks and activities for logistics, fielding and sustainment. The Government will address the specific requirements in each delivery order. The following table provides a representative list of tasks and activities that could be required by specific delivery orders with respect to Logistics, Support Resources, Publications, Training, Fielding and Sustainment:

Requirements Analysis	IUID Marking and Reporting
Post Production Support	Training Assessments
Test and Evaluation	Training and Support
Maintenance Actions	Training Facility and Equipment
Fielding plans	Reliability Analyses
Validation	Tools and Test Equipment
Verification	Facility Analyses and Summary
Support Analyses	Diagnostic Procedures
Repair Level Analyses	Repair Procedures
Commercial Off The Shelf Publications	Support Concepts
Technical Publications	Spares and Support and Test Equipment
Initial Spares and Repair Parts Lists	Logistics Database Management
Provisioning Parts List	Common and Bulk Items
Serial Numbers	Materiel Component List
Accounting Requirements Codes	Warranty Data
Baseline Drawing Revisions	Source, Maintenance, and Recovery Codes
Maintenance Planning	Supply Support
Site Support	Manpower, Personnel and Training
Sustainment Transition	Interim Contractor Support

3.6.1 Contractor Support

The contractor shall perform the tasks necessary to operate, maintain and support the core assets, products, and fielded systems as each specific order defines. The contractor shall provide all supplies, services, and system/configuration management necessary to perform Interim contractor Support (ICS).

3.6.2 Disclosure of Information

The contractor shall comply with the protection standards and guidance described in [DoDM 5200.1](#) to prevent foreign intelligence collection and/or the unauthorized disclosure of information.

4.0 **Appendix A - Acronym List**

AAR	After Action Review
ACA	Associate Contractor Agreement
AIS	Automated Information System
ATP	Acceptance Test Procedure
BAE	British Aerospace Engineering
BER	Beyond Economical Repair
BPR	Beyond Physical Repair
C&A	Certification and Accreditation
CAB	Corrective Action Board
CAGE	Commercial and Government Entity
CAIV	Cost as an Independent Variable
CBT	Computer Based Training
CDE	Controlled Development
CDRL	Contract Data Requirement List
CI	Configuration Item
CL	Confidentiality Level
CLS	Contractor Logistics Support
CM	Configuration Management
CMMI	Capability Maturity Model Integration
CMMI – DEV	Capability Maturity Model Integration - Development
CMP	Configuration Management Plan
CONUS	Continental United States
COTS	Commercial-off-the-Shelf
CSCI	Computer Software Configuration Item
CVS	Combat Vehicle System
DCMA	Defense Contracts Management Agency
DOD	Department of Defense
DODD	Department of Defense Directive
DODI	Department of Defense Implementation
DS	Depot Support
E3	Electromagnetic Environmental Effects
ECP	Engineering Change Proposal
FAI	First Article Inspection
FAT	First Article Test
FBL	Functional Baseline

FOF	Force on Force
GAT	Government Acceptance Test
GFE	Government-Furnished Equipment
IA	Information Assurance
IAVA	IA Vulnerability Alert
IAW	In Accordance With
ICD	Interface Control Document
ICLS	Interim Contractor Logistics Support
ICWG	Interface Control Working Group
IDD	Interface Design Description
IMP	Integrated Master Plan
IMS	Integrated Master Schedule
IPR	In Process Review
IPT	Integrated Product Team
IS	Instrumentation Systems
LCC	Life Cycle Cost
LCCS	Life Cycle Contractor Support
LPAN	Live Player Area Network
LTEC	Live Training Engagement Composition
LMI	Logistic Management Information
LRIP	Low Rate Initial Production
LRU	Lowest Replaceable Unit
LT2	Live Training Transformation
MAC	Mission Assurance Category
MANPRINT	Manpower and Personnel Integration Program
MCC	MILES Communication Code
MCTC	Maneuver Combat Training Center
MILES	Multiple Integrated Laser Engagement System
MOS	Military Occupational Specialty
MRB	Material Review Boards
NSN	National Stock Number
OCONUS	Outside Continental United States
OEM	Original Equipment Manufacturer
OUM	Operators User Manual
O&M	Operation & Maintenance
PDD	Product Definition Data
PEO STRI	Program Executive Office for Simulation, Training and

	Instrumentation
PMR	Program Management Review
QA	Quality Assurance
QE	Quality Engineer
RCS	Range Communication System
RDMS	Range Data Measurement Subsystem
RMF	Risk Management Framework
RTM	Requirements Traceability Matrix
SAIV	schedule as an independent variable
SAR	Safety Assessment Report
SAP	Security Authorization Package
SAWE	Simulated Area Weapons Effects
SCORM	Sharable Content Object Reference Model
SIP	System Identification Profile
SIT	Systems Integration Test
SOW	Statement of Work
SPS	Software Product Specification
STE	Special Test Equipment
ST&TE	Special Tools & Test Equipment
STIG	Security Technical Implementation Guide
SVD	Software Version Descriptions
SVT	Systems Verification Test
TASC	Training Area Support Center
T&E	Test and Evaluation
TD	Test Discrepancies
TESS	Tactical Engagement Simulation Systems
TIM	Technical Interchange Meetings
TIR	Test Incident Reports
TRL	Technology Readiness Level
TRR	Test Readiness Review
TSV	Thru Sight Video
UID	Unique Identification
VTESS	Vehicle Tactical Engagement Simulation System
WAWF	Wide Area Workflow
WFF	War Fighter Focus